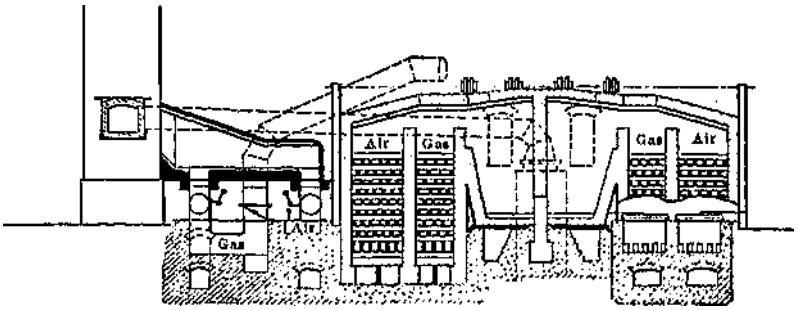
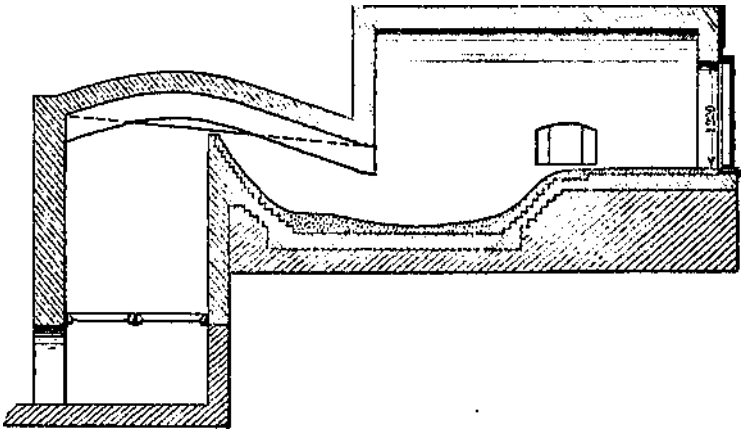
naces laterally, the ports in the wall should have; their sills at the hearth level, and their height should not exceed /?,/. If, on the contrary, the waste gases are taken off from a chamber furnace



Fio. 40.

by ports having a sill at a higher level than that of the hearth of the furnace, the hearth can never be brought up to a high temperature.

As an example of the experiments made to obtain satisfactory



Fiu. 41.

operation, without any realization of the necessary conditions, a kiln designed for the burning of silica bricks and using regenerative firing methods is shown (Fig. 40). In order to force the hot gases to act on the silica brick set on the hearth of the furnace,